

SIMON FRASER UNIVERSITY

**EDUCATION 482-4
DESIGNS FOR LEARNING: EDUCATIONAL USES OF COMPUTERS**

Summer Semester, 1990
(May 7 - August 3)
Tuesdays, 5:30-9:20 p.m.
Location: MPX 8651

Instructor: Dr. Evelyn Ng
Office: MPX 8676
Phone: 291-3642

PREREQUISITE: Educ 401/402, or equivalent

DESCRIPTION

The course is an introduction to the roles and applications of computers in education, and to problems of computer uses in the classroom. The following topics are covered:

Use of computers in the classroom: concerns and skills.

Use of software as tools: instructional and administrative applications.

Integration of software into the curriculum: evaluation and means of integration.

Programming applications in the curriculum: computer problem solving.

Electronic communication in education: current possibilities.

COURSE ACTIVITIES

Course activities will consist of lectures and discussions, demonstrations, readings and laboratory work.

EVALUATION

Two papers on selected computer applications in the classroom.

A class presentation evaluating a piece of software, demonstrating its uses in the classroom or an educational setting.

Short tests related to readings, discussions and demonstrations.

Laboratory exercises demonstrating computer operating skills.

TEXTBOOK

Lockard, J., Abrams, P.D., & Many, W.A. (1987). Microcomputers for Educators. Toronto: Little, Brown and Company.